

Table 3-4

Recapture times (in minutes) of treatment (spillbay exposed) and control (released in discharge) chinook salmon released for estimation of fish survival and condition at spillbays 2 (no flow deflector) and 4 (flow deflector) of Bonneville Dam, October 1995.

	Spillbay 4: Flow Deflector	Spillbay 2: No Flow Deflector
	<i>Treatment</i>	
Average	6.4	6.6
Range	1 -36	1 - 32
Standard Deviation	4.3	4.3
	<i>Control*</i>	
Average	7.2	
Range	2 - 40	
Standard Deviation	4.8	

\* Common controls for both spillbay releases.

Table 3-5

Comparison of 1 h and 48 h survival probabilities ( $\tau$ ) and standard errors (in parentheses) estimated from the two likelihood models (see Section 2.8) for chinook salmon introduced into spillbays 2 (no flow deflector) and 4 (flow deflector) of Bonneville Dam, October 1995. Estimates based on equality of recapture probability of alive and dead fish ( $H_0: P_A = P_D$ ).

Treatment	Survival	
	1 h	48 h
	<i>Model I*</i>	
Spillbay 4: Flow Deflector	1.0 (0.993-1.0)	1.0 (0.991-1.0)
Spillbay 2: No Flow Deflector	1.0 (0.972-1.0)	1.0 (0.977-1.0)
	<i>Model II</i>	
Spillbay 4: Flow Deflector	1.034 (1.019-1.038)	1.034 (1.015-1.044)
	1.034 (1.022-1.046)	1.034 (1.022-1.046)